

Stroganowia tiehmii Rollins**TIEHM STROGANOWIA**

FAMILY: *Brassicaceae*, the mustard family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G2 S2

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** none.

NNNPS: watch list.

POPULATION CENSUS: **11 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **32 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 139,000+**, total estimated **area 257 ha (635 ac)**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS: Mineral exploration and development, road and electronic site construction and maintenance, fire suppression activities, catastrophic fire, competition from invasive weeds.

INVENTORY EFFORT: Surveys are substantially complete. Most recent entered survey 1989, average year of last survey 1989. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs: 100%**.

LAND MANAGEMENT in decreasing predominance: private lands, U. S. Bureau of Land Management.

RANGE: Lyon County, Nevada. Endemic to the eastern Virginia Range and Table Mountain of the northern Pine Nut Range. Maximum **range dimension 28.2 km (17.5 mi)** excluding most disjunct record.

ELEVATIONS RECORDED: 4820-6170 feet (1469-1881 meters).

HABITAT: Dry, open, very rocky clay soils or soil pockets in or near scree, talus, or boulder fields derived from basalt, other volcanic rocks, and/or fluviolacustrine sediments, on gentle to steep slopes of all aspects and topographic positions, but best developed on northeasterly aspects, in the sagebrush, upper shadscale, and lower juniper woodland zones.

PHENOLOGY: flowering early-spring. Range of most frequent **survey months:** May.

LIFE-FORM AND HABIT: perennial herb.

DESCRIPTION: A perennial herb with stems, 1-6 dm tall, from a basal cluster of erect leaves. Cream-colored flowers bloom at the tops of the stems in May and June. This is the only New World member an otherwise Asiatic genus. Rollins (1982) suggests that *Stroganowia* came to North America via the land bridge that formerly linked the 2 continents, but that no populations persisted except in interior western North America, where the arid conditions are similar to those of central Asia.

PHOTOGRAPHS: Tiehm (1989); Nevada Natural Heritage Program images web page (1998-present) and files.

ILLUSTRATIONS: Rollins (1993).

SPECIFIC REFERENCES:

Rollins, R. C. 1982. A new species of the Asiatic genus *Stroganowia* (Cruciferae) from North America and its biogeographic implications. *Systematic Botany* 7: 214-220.

Rollins, R. C. 1982. Studies on *Arabis* (Cruciferae) of western North America II. Contributions from the Gray Herbarium 212: 103-114.

Tiehm, A. 1989. Status report for *Stroganowia tiehmii*. Carson City: Nevada Natural Heritage Program.

OF FURTHER INTEREST: A distinctive, recently described species of an otherwise Asian genus.
